

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 December 2003 (18.12.2003)

PCT

(10) International Publication Number
WO 03/104708 A1

(51) International Patent Classification⁷: F16L 55/38, 55/40, 55/165

(21) International Application Number: PCT/GB03/02513

(22) International Filing Date: 11 June 2003 (11.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0213388.2 11 June 2002 (11.06.2002) GB
0217142.9 24 July 2002 (24.07.2002) GB

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

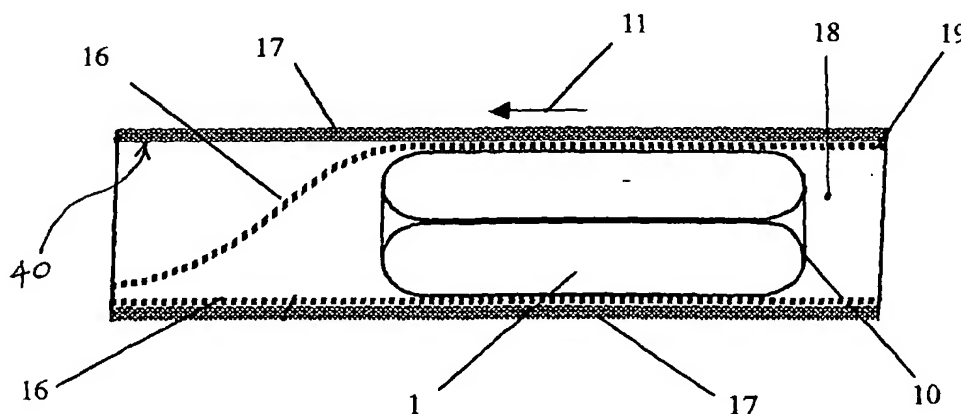
(71) Applicant and
(72) Inventor: SANDERS, Simon [GB/GB]; St Mary's Lodge, 35 Fowler's Road, Salisbury SP1 2QP (GB).

Published:
— with international search report

(74) Agent: BARKER BRETELL; Medina Chambers, Town Quay, Southampton, Hampshire SO14 2AQ (GB).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PIPELINE PIG



(57) Abstract: A pipeline pig (1), and method for installing a liner into a pipework, the pipeline pig comprises longitudinal inner (7) and outer (6) walls, and end walls (10, 12), said inner and outer walls being of substantially annular arrangement in transverse section, the pipeline pig being such that, in use, space enclosed by said walls is filled with fluid, and when a pressurising fluid is applied to the rearward end of the pipeline pig the pig advances through the pipeline by way of substantially radial portions of the walls moving in respective endless loops. The pipeline pig exerts a radially outward pressure to a liner (16) so as to urge said liner against an inner surface (40) of the pipework. The inventive pipeline pig can also be used to clear unwanted material from a pipework.

WO 03/104708 A1